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INTEGRATED SEWER SOLUTIONS

# BLANCHARD LETENDRE ENG

**2490 Orient Park  
Ottawa, Ontario**

## SEWER CCTV INSPECTION REPORT

**Report ID**  
120475ST1

**Sewer Use**  
Storm

**Completion Date**  
September 13, 2022

**Inspected Length**  
40.90 meters

THE WAY IS CLEAR™

- Watermain Swabbing
- Hydro Vacuum Excavation
- CCTV Inspection of Sewers

- Plumbing & Drain Services
- Structural Rehabilitation of Manholes
- Cured-in-Place-Pipe Lining & Spot Repairs

- Grouting, Test & Seal Joints, Manholes & Services
- Lateral Sewer Inspection & Locates From Main
- Sewer Cleaning, Flushing & Pumping

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# 1. Index of pipes

1 item

Inspected length : 40.90

Total length : 41.50

Pipe	Start/End	Direction	Road	Date	Inspected	Total	Page
CAP MHST22393	MHST22393 --> CAP	Against flow	2490 ORIENT PARK	13/09/2022 8:49 AM	40.9	41.5	5

## 2. Structural rating

1 item

0 - No Defects (1 of 1 items)

Score	Quick	Index	Pipe	Start/End	Direction	Road	Page
0	0000	0	CAP MHST22393	MHST22393 --> CAP	Against flow	2490 ORIENT PARK	5

### 3. O&M rating

1 item

5 - Most significant defect grade (1 of 1 items)

Score	Quick	Index	Structural	Pipe	Start/End	Direction	Road	Page
5	5100	5	0	CAP MHST22393	MHST22393 --> CAP	Against flow	2490 ORIENT PARK	5

## 4. Pipe summary and condition details

### Pipe identification

<b>Pipe:</b> CAP MHST22393	<b>Direction of inspection:</b> MHST22393 --> CAP
<b>Direction of flow:</b> CAP --> MHST22393	<b>Direction:</b> Against flow

### Pipe location

<b>Road:</b> 2490 ORIENT PARK	<u>UPSTREAM</u>	<u>DOWNSTREAM</u>
<b>Crossroad:</b>	<b>Easting (X):</b>	<b>Easting (X):</b>
<b>Drainage Area:</b>	<b>Northing (Y):</b>	<b>Northing (Y):</b>
<b>City:</b> OTTAWA ON	<b>Elevation (Z):</b>	<b>Elevation (Z):</b>
<b>Location:</b> Easement/Right of Way	<b>GPS Accuracy:</b>	
<b>Owner:</b> CITY OF OTTAWA	<b>Corrdinate System:</b>	
<b>Road segment:</b>	<b>Vertical Datum:</b>	

### Pipe characteristics

<b>Sewer Use:</b> Stormwater	<b>Inspected length:</b> 40.9
<b>Height:</b> 300	<b>Total length:</b> 41.5
<b>Width:</b>	<b>Rim/Inv.:</b>
<b>Shape:</b> Circular	<b>Grade/Inv.:</b>
<b>Material:</b> Concrete Pipe (non-reinforced)	<b>Rim/Grade:</b>
<b>Lining:</b>	<b>Rim/Inv.:</b>
<b>Joint length:</b> 2.4	<b>Grade/Inv.:</b>
<b>Year laid:</b>	<b>Rim/Grade:</b>
<b>Year renewed:</b>	<b>Sewer category:</b>

### Additional details

<b>Inspection standard:</b> PACP 6.0	<b>Location details:</b>
<b>Date:</b> 13/09/2022 8:49 AM	<b>Surveyed by:</b> Derek B
<b>Project Number:</b>	<b>Certificate #:</b> U-815--07000446
<b>Customer:</b> BLANCHARD LETENDRE ENG	<b>Pre-Cleaning:</b> Not Known
<b>PO number:</b>	<b>Date cleaned:</b>
<b>Work order:</b> 120475	<b>Unit of measurement:</b> Metric
<b>Purpose:</b> Pre-Rehabilitation Survey	<b>Media label:</b>
<b>Weather:</b> Dry	<b>Sheet #:</b>
<b>Flow control:</b> Not Controlled	

### Structural rating

### O&M rating

### Overall rating

<b>Peak:</b> 0	<b>Peak:</b> 5	<b>Peak:</b> 5
<b>Quick rating:</b> 0000	<b>Quick rating:</b> 5100	<b>Quick rating:</b> 5100
<b>Score:</b> 0	<b>Score:</b> 5	<b>Score:</b> 5
<b>Index:</b> 0	<b>Index:</b> 5	<b>Index:</b> 5

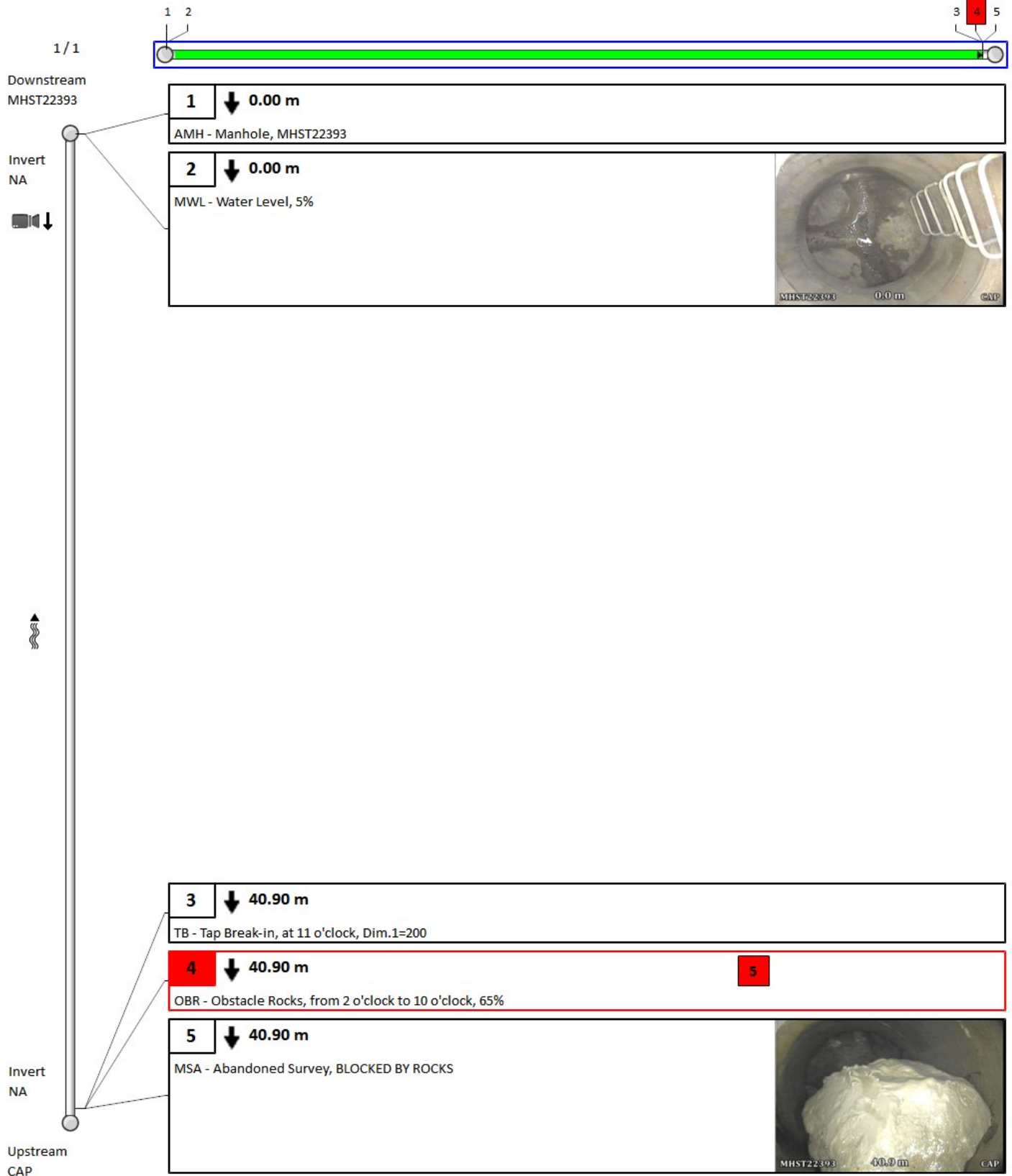
### Additional information

LINE IS AROUND 41.5m BLOCKED BY ROCK
--------------------------------------

### Other information

<b>Report ID:</b> 120475ST1	<b>Other 6:</b>
<b>Other 2:</b>	<b>Other 7:</b>
<b>Other 3:</b>	<b>Other 8:</b>
<b>Other 4:</b>	<b>Other 9:</b>
<b>Other 5:</b>	<b>Other 10:</b>

# 4. Pipe summary and condition details





p...



IN138191

2494

2492

MHST22396

IN148443

IN146772

2490

OUT11029

2488

MHST22394

MHSA42600

2486

75.17

2484

250mm Ø PVC

MHST22393

MHSA42599

150mm Ø CONR

2532

250mm Ø CONR

















2498

76.270 Meters

2491



# Vision Report © Legend

	The numbers sequentially identify each observation. They allow you to find complete descriptions and related photos throughout the pages. Note that when the pipe contains too many observations, the Vision© report hides the least important observations to optimize the display*.
60	A number with neither a square nor circle indicates a general observation.
	A circled number indicates a structural anomaly. The color of the circle indicates the severity of the anomaly on a scale of 1 to 5, 5 being the most severe: green=1, blue=2, magenta=3, orange=4 and red=5.
	A number in a square indicates an operation and maintenance anomaly. The color of the square indicates the severity of the anomaly on a scale of 1 to 5, 5 being the most severe: green=1, blue=2, magenta=3, orange=4 and red=5.
◀ 3 / 31 ▶	Indicates the current page number of the inspection report.
	The blue square indicates a section of the pipe; this section is covered in detail on the current page of the report.
	The green line indicates the inspected part of the pipe. The remaining white line indicates the uninspected part of the pipe.
	Indicates the hold points on the camera during an inspection.
	Indicates the hold points on the camera during the reverse inspection.
	Indicates that a reverse inspection was carried out, however the camera did not reach the initial inspection hold point. (the hold point of the initial inspection)
	Indicates that a reverse inspection was carried out and that it has joined (has arrived at) the initial inspection hold point.
401-059B 	Identifies the start manhole number. Note that this manhole is not necessarily the upstream manhole of the pipe.
401-631 	Identifies the end manhole number. Note that this manhole is not necessarily the downstream manhole of the pipe.
	A downward arrow indicates that the inspection was carried out in the direction of the current, whereas an upward arrow indicates an inspection against the current. Note that the manhole located on the upper left of the page is always the start manhole, but not necessarily the upstream manhole of the pipe.
	This camera followed by a downward arrow is located on the upper left of the vertical pipe; it indicates that an inspection was done from this manhole.
	When the second camera appears on the bottom left page it means that a reverse inspection was carried out. Information about the reverse inspection is included in the report, thereby combining both inspections.
Invert 3.40	The measurement shown under the word <Invert> indicates the measurements between the frame and the pipe captured during the inspection. This measurement is available at the top left for the start manhole and the bottom left for the end manhole. If the invert was not measured during the inspection, an <NA> mark will be displayed.
	The downward bold arrow to the right of the observation number indicates that this observation was captured during the initial inspection.
	The blank arrow pointing upwards and located to the right of the observation number indicates that this observation was taken during the reverse inspection period, thereby confirming that this report combined both inspections.
18.40 m	Located to the right of the observation number is a number identifying the observation distance in relation to the start of the pipe.
SRV - Armature visible	A full description of the observation code according to the protocol used.

\*Any hidden observations are readily accessible from the database as well as in other CTSpec report templates.

\*\* CTSpec inc. reserves the right to modify, eliminate or add to the product features described in this pamphlet without notice.

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